

CPC**COOPERATIVE PATENT CLASSIFICATION****B26B**

HAND-HELD CUTTING TOOLS NOT OTHERWISE PROVIDED FOR (for harvesting A01D; for horticulture, for forestry A01G; for butchering or meat treatment A22; for manufacturing or repairing footwear A43D; nail clippers or cutters [A45D 29/02](#); kitchen equipment A47J; { vegetable slicers, julienne cutters and similar devices and holders therefor, [B26D 3/28](#)}; for surgical purposes A61B; for metal B23D; cutting by abrasive fluid jets [B24C 5/02](#); plier-like tools with cutting edges [B25B 7/22](#); pincers [B25C 11/02](#); handles for hand implements, in general B25G; guillotine-type cutters B26D; { perforating by non-mechanical means, e.g. by fluid jet, [B26F 1/26](#)}; for erasing [B43L 19/00](#); for textile materials D06H)

Hand knives**B26B 1/00**

Hand knives with adjustable blade; Pocket knives ([B26B 11/00](#) takes precedence)

B26B 1/02

. with pivoted blade

B26B 1/04

.. lockable in adjusted position

B26B 1/042

... { by a spring biased locking lever pivoting around an axis parallel to the pivot axis of the blade}

B26B 1/044

... { by a spring tongue snapping behind or into the tang of the blade from a side part of the handle}

B26B 1/046

... {with a locking member acting in axial direction parallel to the pivot axis of the blade}

B26B 1/048

... { with a locking member being slidable or movable along the handle}

B26B 1/06

.. with loosely-inserted spring

B26B 1/08

. with sliding blade {(with detachable blades [B26B 5/001](#))}

B26B 1/10

. Handles

B26B 3/00

Hand knives with fixed blades {(handles, attaching the handles [B25G](#))}

B26B 3/02

. Table-knives ([B26B 9/02](#) takes precedence)

B26B 3/03

. specially adapted for cutting-off slices one by one

B26B 3/04

. for performing several incisions simultaneously; Multiple-blade knives

B26B 3/06

. Scout or similar sheath knives (sheaths therefor [B26B 29/02](#))

B26B 3/08

. specially adapted for cutting cardboard, or wall, floor, or like covering materials

B26B 5/00

Hand knives with one or more detachable blades

- B26B 5/001 . {with blades being slid out of handle immediately prior to use}
- B26B 5/002 . . { segmented blades}
- B26B 5/003 . . { comprising retraction means for the blade or the blade holder}
- B26B 5/005 . {specially adapted for cutting cardboard, or wall, floor or like covering materials}
- B26B 5/006 . {specially adapted for using razor blades as blades ([B26B 5/001](#) takes precedence)}
- B26B 5/007 . {for cutting slices one by one}
- B26B 5/008 . {for performing several incisions simultaneously; for cutting cubes}

- B26B 7/00** **Hand knives with reciprocating motor-driven blades**
- B26B 7/005 . { Counter reciprocating blades}

- B26B 9/00** **Blades for hand knives**
- B26B 9/02 . characterised by the shape of the cutting edge, e.g. wavy

- B26B 11/00** **Hand knives combined with other implements, e.g. with corkscrew, with scissors, with writing implement (combined table-ware [A47G 21/06](#))**
- B26B 11/001 . { of the Swiss-knife type}
- B26B 11/003 . { having folding handles}
- B26B 11/005 . { Handle also acting as a part of a scissors}
- B26B 11/006 . { Several functions combined in the blade}
- B26B 11/008 . { comprising electronic or electrical features, e.g. illuminating means, computing devices or sensors}

- Hand shears; Scissors (for horticultural purposes [A01G](#); bone shears [A22C 17/06](#); metal shears [B23D](#))**

- B26B 13/00** **Hand shears; Scissors**
- B26B 13/005 . {Pocket or folding scissors}
- B26B 13/02 . with moulded-in blades
- B26B 13/04 . with detachable blades
- B26B 13/06 . characterised by the shape of the blades
- B26B 13/08 . . with cutting edges wavy or toothed in the plane of the blade

- B26B 13/10 . . . for producing wavy, zig-zag, or like cuts
- B26B 13/12 . . . characterised by the shape of the handles
- B26B 13/14 . . . without gripping bows in the handle
- B26B 13/16 spring loaded, e.g. with provision for locking the blades or the handles
- B26B 13/18 without joint, i.e. having blades interconnected by a resilient member
- B26B 13/20 . . . with gripping bows in the handle
- B26B 13/22 . . . combined with auxiliary implements, e.g. with cigar cutter, with manicure instrument (cigar cutters per se [A24F 13/24](#))
- B26B 13/24 . . . to aid hair cutting
- B26B 13/26 . . . with intermediate links between the grips and the blades, e.g. for remote actuation
- B26B 13/28 . . . Joints ([B25B 7/06](#) takes precedence)
- B26B 13/285 . . . {with means for applying pressure on the blades; with means for producing "drawing-cut" effect}
- B26B 15/00** **Hand-held shears with motor-driven blades**
- B26B 17/00** **Hand cutting tools {i.e. with the cutting action actuated by muscle power} with two jaws which come into abutting contact (nail clippers or cutters [A45D 29/02](#); joints therefor [B25B 7/06](#))**
- B26B 17/003 . . . {manually operated tools specially adapted for separating nuts attached to each other, e.g. by rust (nut crackers [A47J 43/26](#))}
- B26B 17/006 . . . { having cutting edges parallel to a pivot axis}
- B26B 17/02 . . . with jaws operated indirectly by the handles, e.g. through cams or toggle levers
- B26B 19/00** **Clippers or shavers operating with a plurality of cutting edges, e.g. hair clippers, dry shavers**
- B26B 19/02 . . . of the reciprocating-cutter type
- B26B 19/04 . . . Cutting heads therefor; Cutters therefor; Securing equipment thereof
- B26B 19/042 { Long hair cutters or older types comprising a cutting grid}
- B26B 19/044 {Manufacture and assembly of cutter blocks}
- B26B 19/046 {Cutters being movable in the cutting head}
- B26B 19/048 { Complete cutting head being movable}
- B26B 19/06 involving co-operating cutting elements both of which have shearing teeth
- B26B 19/063 { Movable or adjustable cutting head}
- B26B 19/066 { Manually operated}
- B26B 19/08 of nipper type
- B26B 19/10 involving two or more different types of reciprocating cutting elements, e.g. a pair of toothed shearing elements combined with a pair of perforated cutting elements or a combined toothed and perforated cutting assembly

- B26B 19/102 {with a secondary cutting unit being translated or slid into an operating position}
- B26B 19/105 {with a secondary cutting unit being rotated into an operating position}
- B26B 19/107 {with means for selectively engaging the drive for a fixed-position secondary cutting unit}

- B26B 19/12 . of the oscillating- cutter type; Cutting heads therefor; Cutters therefor ([B26B 19/04 takes precedence](#))

- B26B 19/14 . of the rotary-cutter type; Cutting heads therefor; Cutters therefor ([B26B 19/04 takes precedence](#))

- B26B 19/141 . . { Details of inner cutters having their axes of rotation perpendicular to the cutting surface}
- B26B 19/143 . . { Details of outer cutters}
- B26B 19/145 . . { Cutters being movable in the cutting head}
- B26B 19/146 . . { Complete cutting head being movable}
- B26B 19/148 . . { specially adapted for removing hair from inaccessible places, e.g. nostrils}
- B26B 19/16 . . involving a knife cylinder or a knife cone or separate cutting elements moved like a rotating cylinder or a rotating cone
- B26B 19/18 . . . in combination with a fixed razor-blade without shearing perforations

- B26B 19/20 . with provision for shearing hair of preselected or variable length
- B26B 19/205 . . { by adjustment of the cutting members}

- B26B 19/22 . with provision for thinning-out hair

- B26B 19/24 . specially adapted for shearing animals, e.g. sheep

- B26B 19/26 . of the type performing different methods of operation simultaneously, e.g. reciprocating and oscillating; of the type having two or more heads of differing mode of operation
- B26B 19/265 . . {of the type having two or more heads of differing mode of operation}

- B26B 19/28 . Drive layout for hair clippers or dry shavers, e.g. providing for electromotive drive ([electric motors per se H02](#))
- B26B 19/282 . . { Motors without a rotating central drive shaft, e.g. linear motors}
- B26B 19/284 . . . { with an actuator oscillating about a pivot axis}
- B26B 19/286 . . {providing for two or more different electrical power sources}
- B26B 19/288 . . { Balance by opposing oscillation}
- B26B 19/30 . . providing for muscle drive, e.g. by rolling over the skin
- B26B 19/32 . . providing for mechanical drive, e.g. installation of a spring motor
- B26B 19/34 . . providing for fluid drive
- B26B 19/36 . . providing for remote drive by means of a flexible shaft; Transmission means therefor

- B26B 19/38 . Details of, or accessories for, hair clippers, or dry shavers, e.g. housings, casings, grips, guards ([cutters, cutting heads B26B 19/04, B26B 19/12, B26B 19/14](#); [cleaning or disinfecting devices A45D 27/46](#); [drying devices A45D 27/48](#); [casings for electric apparatus in general H05K](#))

- B26B 19/3806 .. { Accessories}
- B26B 19/3813 ... { Attachments}
- B26B 19/382 ... { Built-in accessories}
- B26B 19/3826 ... { Separate accessories}
- B26B 19/3833 ... { Storage and cleaning devices; Power cord storage}
- B26B 19/384 .. {Dry-shaver foils; Manufacture thereof}
- B26B 19/3846 .. { Blades; Cutters ([B26B 19/044](#), [B26B 19/141](#) take precedence)}
- B26B 19/3853 .. { Housing or handle}
- B26B 19/386 ... { Means for attaching the head thereto}
- B26B 19/3866 ... { Seals or dampers}
- B26B 19/3873 .. { Electric features; Charging; Computing devices}
- B26B 19/388 ... { Sensors; Control}
- B26B 19/3886 .. { Actuating members, e.g. switches or control knobs}
- B26B 19/3893 .. { Manufacturing of shavers or clippers or components thereof}
- B26B 19/40 .. Lubricating
- B26B 19/42 .. providing for straightening the hair to be cut, e.g. by means of bristles; providing for tensioning the skin, e.g. by means of rollers, ledges ([skin-stretchers for shaving per se A45D 27/38](#))
- B26B 19/44 .. Suction means for collecting severed hairs or for the skin to be shaved
- B26B 19/46 .. providing for illuminating the area to be shaved or clipped
- B26B 19/48 .. Accessory implements for carrying out a function other than cutting hair, e.g. attachable appliances for manicuring ([massage means per se A61H 7/00](#) to [A61H 23/00](#))

B26B 21/00 Razors of the open or knife type; Safety razors or other shaving implements of the planing type; Hair-trimming devices involving a razor-blade; Equipment therefor

- B26B 21/02 . involving unchangeable blades
- B26B 21/04 .. Razors of the knife type
- B26B 21/06 .. Safety razors with fixed blade, e.g. with moulded-in blade
- B26B 21/08 . involving changeable blades
- B26B 21/10 .. Safety razors with one or more blades arranged longitudinally to the handle
- B26B 21/12 ... combined with combs or other means for hair trimming
- B26B 21/125 {Razor blades attached to ordinary combs}
- B26B 21/14 .. Safety razors with one or more blades arranged transversely to the handle
- B26B 21/16 ... involving blades with only one cutting edge ([B26B 21/22](#) to [B26B 21/38](#) take precedence)
- B26B 21/165 {with the blade moulded into, or attached to, a changeable unit}
- B26B 21/18 ... involving blades with two cutting edges ([B26B 21/22](#) to [B26B 21/38](#) take precedence)
- B26B 21/185 {with adjustable guard clearance; with variable angle of rake}
- B26B 21/20 ... involving blades with more than two cutting edges; involving disc blades ([B26B 21/22](#) to [B26B 21/38](#) take precedence)
- B26B 21/22 ... involving several blades to be used simultaneously

- B26B 21/222 {with the blades moulded into, or attached to, a changeable unit
([B26B 21/4006](#) takes precedence)}
- B26B 21/225 {the changeable unit being resiliently mounted on the handle}
- B26B 21/227 {with blades being resiliently mounted in the changeable unit}
- B26B 21/24 . . . of the magazine type; of the injector type (containers for storing razor-blades
[A45D 27/24](#))
- B26B 21/26 . . . of the continuous ribbon type
- B26B 21/28 . . . of the drawing cut type, i.e. with the cutting edge of the blade arranged obliquely
{ or curved } to the handle
- B26B 21/30 . . . of the type carrying pivotally-mounted caps
- B26B 21/32 in razors involving double-edged blades
- B26B 21/34 . . . of the type carrying rollers
- B26B 21/36 with provision for reciprocating the blade (reciprocating the cutting elements
of clippers or dry shavers [B26B 19/00](#))
- B26B 21/38 . . . with provision for reciprocating the blade by means other than rollers
(reciprocating the cutting elements of clippers or dry shavers [B26B 19/00](#))

- B26B 21/40 . . Details or accessories
- B26B 21/4006 . . {Blades or blade units with discontinuous cutting edges, e.g. wire-wrapped,
notches}
- B26B 21/4012 . . { Housing details, e.g. for cartridges}
- B26B 21/4018 . . . { Guard elements}
- B26B 21/4025 . . . { Cap elements}
- B26B 21/4031 . . . { characterised by special geometric shaving parameters, e.g. blade span or
exposure}
- B26B 21/4037 . . { Details or parts covering the blades, e.g. caps for storage; Attachments}
- B26B 21/4043 . . { Contour trimming}
- B26B 21/405 . . { Electric features; Charging; Computing devices}
- B26B 21/4056 . . . { Sensors or controlling means}
- B26B 21/4062 . . { Actuating members, e.g. switches or control knobs; Adjustments}
- B26B 21/4068 . . { Mounting devices; Manufacture of razors or cartridges ([B26B 21/528](#) takes
precedence)}
- B26B 21/4075 . . . { Mounting devices}
- B26B 21/4081 . . { Shaving methods; Usage or wear indication; Testing methods}
- B26B 21/4087 . . . { Usage or wear indication}
- B26B 21/4093 . . . { Testing of shaving razors or components thereof}
- B26B 21/42 . . for cutting hair of preselected or variable length (combs, stencils or guides specially
adapted for hair trimming devices [A45D 24/36](#))
- B26B 21/44 . . Means integral with, or attached to, the razor for storing shaving-cream, styptic, or
the like
- B26B 21/443 . . . { Lubricating strips attached to the razor head}
- B26B 21/446 . . . { Shaving aid stored in the razor handle}
- B26B 21/46 . . for illuminating the skin ([B26B 19/46](#) takes precedence)
- B26B 21/48 . . Heating means
- B26B 21/50 . . Means integral with, or attached to, the razor for stropping the blade

- B26B 21/52 . . . Handles, e.g. tiltable, flexible {(handles and attaching handles in general [B25G](#))}
- B26B 21/521 . . . { Connection details, e.g. connection to razor heads}
- B26B 21/522 . . . { Ergonomic details, e.g. shape, ribs or rubber parts}
- B26B 21/523 . . . { Extendible or foldable handles; Extensions}
- B26B 21/525 . . . { for longitudinally arranged cutting edges}
- B26B 21/526 . . . { Electric features}
- B26B 21/527 . . . { attachable to fingers or to the human hand}
- B26B 21/528 . . . { Manufacture of razor handles}

- B26B 21/54 . . . Razor-blades {([B26B 21/4006](#) takes precedence)}
- B26B 21/56 . . . characterised by the shape
- B26B 21/565 . . . { Bent razor blades; Razor blades with bent carriers}
- B26B 21/58 . . . characterised by the material
- B26B 21/60 . . . by the coating material

- B26B 23/00** **Axes; Hatchets** {(attaching of the handles [B25G](#))}

- B26B 25/00** **Hand cutting tools involving disc blades, e.g. motor-driven** (details or components, e.g. casings, bodies, of portable power-driven tools not particularly related to the operation performed [B25F 5/00](#))

- B26B 25/002 . . . {Motor-driven knives with a rotating annular blade}
- B26B 25/005 . . . { Manually operated, e.g. pizza cutters}
- B26B 25/007 . . . { Operable only in combination with guiding means, e.g. paper cutters}

- B26B 27/00** **Hand cutting tools not provided for in the preceding groups, e.g. finger rings for cutting string, devices for cutting by means of wires**

- B26B 27/002 . . . {Tools using wires as cutting means}
- B26B 27/005 . . . {Carton openers}
- B26B 27/007 . . . { with handles specifically adapted to be attached to a human hand or finger, e.g. thimbles (for razors [B26B 21/527](#))}

- B26B 29/00** **Guards or sheaths {or guides} for hand cutting tools; Arrangements for guiding hand cutting tools** (guards for hair clippers or dry shavers [B26B 19/38](#))

- B26B 29/02 . . . Guards or sheaths for knives
- B26B 29/025 . . . { Knife sheaths or scabbards}
- B26B 29/04 . . . Guards or sheaths for scissors, e.g. combined with manicuring appliances (manicuring implements per se [A45D 29/00](#))
- B26B 29/06 . . . Arrangements for guiding hand cutting tools (guiding equipment or arrangements for

specific cutting tools, see the particular places, e.g. for hair trimming devices [A45D 24/36](#), for saw blades [B27B 11/02](#), [B26B 13/10](#))

[B26B 29/063](#)

.. { Food related applications}

[B26B 2029/00](#)

Guards or sheaths {or guides} for hand cutting tools; Arrangements for guiding hand cutting tools (guards for hair clippers or dry shavers [B26B 19/38](#))

[B26B 2029/06](#)

. Arrangements for guiding hand cutting tools (guiding equipment or arrangements for specific cutting tools, see the particular places, e.g. for hair trimming devices [A45D 24/36](#), for saw blades [B27B 11/02](#), [B26B 13/10](#))

[B26B 2029/066](#)

.. for slicing bread